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Datasheet for ABIN954097 anti-PEX14 antibody (Middle Region)

2 Images



Overview

Quantity:	0.4 mL
Target:	PEX14
Binding Specificity:	AA 120-150, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PEX14 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 120-150 amino acids from the Central region of Human Peroxin 14 / PEX14
lsotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse Peroxin 14 / PEX14 (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	PEX14
Alternative Name:	Peroxin 14 / PEX14 (PEX14 Products)
Background:	This gene encodes an essential component of the peroxisomal import machinery. The protein

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	is integrated into peroxisome membranes with its C-terminus exposed to the cytosol, and
	interacts with the cytosolic receptor for proteins containing a PTS1 peroxisomal targeting
	signal. The protein also functions as a transcriptional corepressor and interacts with a histone
	deacetylase. A mutation in this gene results in one form of Zellweger syndrome.Synonyms:
	PTS1 receptor-docking protein, Peroxin-14, Peroxisomal membrane protein PEX14
Molecular Weight:	41237 Da
Gene ID:	5195
NCBI Accession:	NP_004556
Pathways:	Maintenance of Protein Location
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of Peroxin 14 / PEX14 Antibody (Center) in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the PEX14 antibody detected the PEX14 protein (arrow).



Flow Cytometry

Image 2. Flow cytometric analysis of Neuro-2a cells using Peroxin 14 / PEX14 Antibody (Center) Cat.-No AP53260PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

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